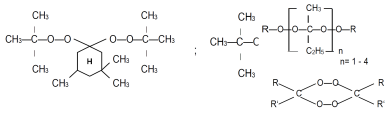
# PEROXAN M64 A1X

## Ketone peroxide / Curing

**Description**

Methyl ethyl ketone peroxide and Acetyl acetone peroxide
Solution in TXIB

PEROXAN M64 A1 X is used for the curing of unsaturated polyester at ambient temperature in combination with cobalt accelerators.



| | | |
|---|---|---|
| | CAS No.: | **1338-23-4; 37187-22-7** |

**Technical data**

| | |
|---|---|
| Appearance: | **clear liquid** |
| Active oxygen assay: | **7.85%** |
| Density at 20°C: | **1.02 g/cm³** |

**Solubility**

Insoluble in water

**Storage**

| | |
|---|---|
| Maximum storage temperature (Ts max): | **30°C** |
| Minimum storage temperature (Ts min): | **0°C** |
| Storage stability as from date of delivery: | **6 months** |

**Hazardous reactions**

Keep packaging tightly closed in a well ventilated place at indicated storage temperature. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). Never weigh out in storage room.

Oxidizing agent. Decomposes violently under the influence of heat or by contact with reducing agent. Never mix with accelerators.

**Safety characteristics**

| | |
|---|---|
| Flash point: | >SADT°C |
| SADT: | 50°C |

The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self accelerating decomposition may occur.

Schlavenhorst 71
D-46395 Bocholt
Germany

Phone: +49 (0)2871 / 99 02-0
Fax: +49 (0)2871 / 99 02-50
www.pergan.com

# PEROXAN M64 A1X

## Ketone peroxide / Curing

**Application**

PEROXAN M64 A1 X is used for the curing of unsaturated polyester resins at ambient temperature in combination with cobalt accelerators.

With the curing system PEROXAN M64 A1 X and Cobalt accelerator a faster speed of cure can be obtained than with PEROXAN ME-50 LX; however high cure rates as achieved with PEROXAN A-40 L are not attainable. The gel times with PEROXAN M64 A1 X are in general similar to those with PEROXAN ME-50 LX.

The curing system PEROXAN M64 A1 X and Cobalt accelerator is particularly suitable for the curing of laminating resins, and for applications where a shorter demoulding time is required than can be obtained with PEROXAN ME-50 LX; moreover the manufacture of light resistance parts may be possible contrary to the curing system Benzoyl peroxide and Amine accelerator.

Depending on working conditions, the following peroxide and accelerator dosage levels are recommended:

PEROXAN M64 A1 X: 1,0 to 4,0 phr
PERGAQUICK C12 X (Cobalt, 1%): 0,5 to 3,0 phr

**Packaging**

**25kg container**

**Major decomposition products**

**acetylacetone, Carbon dioxide, Methylethylketon, mixture of aliphatic acids, Water**

**Safety and handling**

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN M64 A1X. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at **www.pergan.com** or through contacting Pergan directly.

The information presented herein is true and accurate and to the best of our knowledge, but without any guarantee. Since the conditions of use are beyond our control we disclaim any liability, including for patent infringement, incurred in connection with the use of these products, data or suggestions.

Schlavenhorst 71
D-46395 Bocholt
Germany

Phone: +49 (0)2871 / 99 02-0
Fax: +49 (0)2871 / 99 02-50
www.pergan.com